

**ABSTRACT OF THE DISCLOSURE****STORAGE MEDIUM LOAD AND UNLOAD APPARATUS WITH AN IMPACT  
DIVERTER**

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A storage medium load and unload apparatus for diverting a storage medium insertion impact force is provided. The load and unload apparatus comprises a shuttle having a first pin with a first radius extending  
10 from a side surface of the shuttle and a protrusion having a posterior edge extending from the side surface. The protrusion posterior edge is displaced a first distance from a center of the pin. A fixed side plate has a flange with a vertical edge, and a first slot with  
15 an anterior edge and a curved posterior edge. A first width is provided between the anterior edge and the curved posterior edge of the first slot. The vertical edge of the flange is displaced a second distance from the anterior edge of the first slot. The first pin is  
20 engaged with the first slot. A sum of the first width and the second distance is greater than the sum of the first distance and the first radius.